Index of Claims

| Application | /Control | No. |
|-------------|----------|-----|
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10/749,397

Examiner

Wen-Ying P. Chen

Applicant(s)/Patent under Reexamination

YAMAMOTO, TAKESHI Art Unit

2871

| √ | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | aim      |          |          |         | D        | ate      | •        |          |                 |          |          | Cla      | im           |           |                   |          | D        | ate      |          |          |          |          |          | Cla      | aim        |          |          |          | D        | ate      |          |          |          |          |
|-------|----------|----------|----------|---------|----------|----------|----------|----------|-----------------|----------|----------|----------|--------------|-----------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|       | <u>=</u> | 2        |          |         |          |          |          |          |                 |          |          |          | <del>-</del> |           | ı                 |          |          |          |          |          |          |          |          | - 1      | - I        |          | - {      | -        | ł        |          |          |          |          |          |
| Final | Original | 3/16/05  |          |         |          | - 1      |          |          | ľ               |          | ]        | Final    | Original     |           | ı                 |          |          |          |          |          |          | ł        | 3        | Lina     | Original   |          | -1       |          |          |          |          |          |          |          |
| 這     | Š.       | 3/16     |          | 1       |          | - 1      |          |          |                 |          | i        | Ī        | Ž.           |           |                   |          | ı        |          |          |          |          |          | 1        | Ξ        | ; 등        |          |          |          |          |          |          |          |          | - 1      |
|       |          |          |          |         |          |          |          |          |                 | ╝        |          |          |              |           |                   |          |          |          |          |          |          | ╛        | L        |          |            | $\perp$  |          | ┙        |          |          |          |          | $\perp$  |          |
|       | 1_       | 1        |          |         |          |          |          |          |                 |          |          |          | 51           |           |                   |          |          |          |          | $\perp$  |          |          |          |          | 101        |          |          |          |          |          |          |          |          |          |
|       | 2        | 1        |          |         |          |          |          |          |                 | ╝        | L        |          | 52           |           | $oldsymbol{\bot}$ |          |          |          |          | $\perp$  | $\perp$  | ╛        |          |          | 102        |          |          |          |          | _        |          |          |          |          |
|       | 3        | 1        |          | $\perp$ | _        |          | Ш        |          |                 | ╝        | L        |          | 53           |           | _                 | _        |          |          | _        | $\perp$  | $\perp$  | ╛        | $\perp$  |          | 103        | _        | $\perp$  | _        |          | _        |          |          | $\perp$  |          |
|       | 4        | 4        |          | $\perp$ | $\perp$  |          | Ш        |          |                 | _        | L        |          | 54           |           |                   |          |          | $\perp$  | _        | $\perp$  | $\perp$  | ╛        |          | _        | 104        | $\perp$  | $\perp$  | $\perp$  | $\perp$  | $\perp$  |          |          | _        |          |
|       | 5        | 1        |          | $\perp$ | _        |          |          |          |                 | _        | ⊢        |          | 55           |           | _                 |          |          | _        | _        | _        |          | ╛        |          |          | 105        | _        | _        | 4        | _        | _        |          |          |          | _        |
|       | 6        | 1        |          | _       | _        | _        | Ш        |          |                 | _        | $\perp$  | _        | 56           |           | _                 | _        | _        | _        | _        | _        |          | _        | <u> </u> | _        | 106        | _        | $\perp$  | 4        | 4        | _        |          |          |          |          |
|       | 7        | 1        | _ .      | 4       | _        | _        |          |          |                 | _        | <br> -   | _        | 57           |           | _                 | _        | _        | $\dashv$ | _        | 4        | _ _      | 4        | L_       | _        | 107        | 4        | 4        | 4        | _        | _        |          | _        | _        |          |
|       | 8        | 1        | _        | 4       | _        |          |          |          |                 | _        | $\vdash$ |          | 58           | _         | 4                 | _        | _        | _        | _        | _        |          | 4        | $\vdash$ | _        | 108        | 4        | 4        | 4        | 4        | 4        | _        |          | 4        |          |
|       | 9        | 1        | _        | 4       | _        | _        | Щ        |          |                 | _        | $\vdash$ | _        | 59           |           | _                 | _        | _        | _        | 4        | _        |          | 4        | $\vdash$ | _        | 109        | _        | _        | 4        | 4        | _        | _        | _        | _        |          |
|       | 10       | <b>√</b> |          | 4       |          | _        |          |          |                 | _        | $\vdash$ | _        | 60           | _         | _                 | _        | _        | _        | _        |          | _        | 4        | <u> </u> | _        | 110        | _        |          | 4        | _        | 4        | _        | _        | _        | _        |
|       | 11       | 7        |          | 4       | _        | _        | Ш        | Щ        | Щ               | _        | $\vdash$ |          | 61           |           | _                 | _        | _        | _        | _        | -        | +        | 4        | <u> </u> |          | 111        | $\dashv$ | - -      | 4        | -        | _        |          |          | 4        | _        |
|       | 12       | 1        |          | 4       | _        |          | Ш        | Ш        | $\sqcup$        | _        | $\vdash$ |          | 62           | $\square$ | _                 | _        | -        | _        | _        | _        | - -      | 4        | -        |          | 112        | 4        | - -      | 4        | -        | 4        | _        | _        |          | _        |
|       | 13       | 1        | _        | +       | 4        | _        | $\vdash$ | -        | $\vdash \vdash$ | _        | $\vdash$ | _        | 63           |           |                   |          |          | $\dashv$ |          | $\dashv$ | +        | 4        | $\vdash$ | -        | 113        | 4        | 4        | 4        | -        |          | $\dashv$ |          | -1       | _        |
|       | 14       | 7        | $\perp$  | +       | 4        | _        | Ш        |          |                 | _        | <u> </u> |          | 64           |           | _                 | -        |          | -        | -        | - -      | -        | 4        | $\vdash$ | _        | 114        | 4        | +        | 4        |          |          | -        | $\dashv$ | -1       |          |
|       | 15       | 1        |          | $\perp$ | _        | _        |          |          |                 | _        | $\vdash$ | _        | 65           |           | $\dashv$          | $\dashv$ |          | $\dashv$ | -        | +        |          | 4        |          |          | 115        |          |          | 4        | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | _        |
|       | 16       | 1        | -        | +       |          | $\dashv$ | Ш        | Ш        | Н               | $\dashv$ | $\vdash$ | _        | 66           | $\vdash$  | $\dashv$          | -        | -        |          | -        | +        | +        | -        | $\vdash$ |          | 116        |          | +        | $\dashv$ | -        | $\dashv$ |          |          | +        |          |
|       | 17       | 1        |          | 4       | -        | -        | Н        | Н        | Ш               | $\dashv$ | $\vdash$ |          | 67           | $\vdash$  |                   | -        | -        |          |          | +        | +        | $\dashv$ | $\vdash$ | _        | 117        | +        | +        | +        | -        | -        |          |          | $\dashv$ | $\dashv$ |
|       | 18       | 1        |          | +       |          | $\dashv$ |          | _        | -               | -        | $\vdash$ | -1       | 68           | -         |                   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | 4        | -        |          | 118        | $\dashv$ | +        | +        | $\dashv$ | -        | -        | -        | _        |          |
|       | 19       | 1        | -        | +       | $\dashv$ | -        | $\vdash$ | _        |                 |          | -        | -        | 69           |           | 4                 |          | $\dashv$ | +        | $\dashv$ | $\dashv$ | +        | 4        | $\vdash$ |          | 119        | +        | +        | $\dashv$ | $\dashv$ | -        | -        |          | $\dashv$ | _        |
|       | 20       |          | _        | +       | 4        | _        | Щ        |          |                 |          | ⊢        | -        | 70           | _         | _                 | $\dashv$ | 4        | -        | -        | -        | -        | 4        | $\vdash$ | $\dashv$ | 120        | +        | +        | -        | -        |          | $\dashv$ | $\dashv$ | -        | _        |
| _     | 21       |          | _        | +       | -        | $\dashv$ |          |          |                 |          | ⊢        |          | 71           |           | _                 | -        | 4        | -        |          | -        | +        | 4        | $\vdash$ | $\dashv$ | 121        | -        | -        | +        | -        |          | $\dashv$ | $\dashv$ | -        | _        |
|       | 22       |          |          | +       | $\dashv$ | $\dashv$ |          |          |                 |          | <u> </u> | -        | 72           | $\vdash$  |                   | _        | -        | -+       |          | -        | +        | 4        | $\vdash$ |          | 122        | _        | +        | +        |          | -        | $\dashv$ | $\dashv$ | -        | _        |
|       | 23       | _        |          | +       |          | $\dashv$ | Н        |          | -               | 괵        | ⊢        | -        | 73           |           |                   | $\dashv$ | -        |          | -        | -+       | +        | 4        | $\vdash$ | $\dashv$ | 123        | +        | -        | +        | -        | -+       |          | $\dashv$ | $\dashv$ | _        |
|       | 24       | $\vdash$ |          | +       | $\dashv$ | $\dashv$ | Н        |          |                 |          | -        |          | 74           |           | $\dashv$          | -        | $\dashv$ | $\dashv$ | -        |          | +        | -{       | -        |          | 124        | +        | +        | +        | $\dashv$ |          |          | -        | -        | _        |
| -     | 25       |          |          | +       | -+       | $\dashv$ | Н        | _        | -1              | $\dashv$ | $\vdash$ |          | 75<br>70     | _         | -                 | $\dashv$ | ᅱ        | $\dashv$ | -        | +        | +        | 4        | $\vdash$ | -        | 125        | $\dashv$ | +        | +        | -+       | -        | $\dashv$ | $\dashv$ | $\dashv$ |          |
|       | 26       | H        | -        | -       | -        |          | -        | _        | $\vdash$        |          | $\vdash$ | $\dashv$ | 76<br>77     | $\vdash$  | -                 | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        |          | -        | $\vdash$ | -        | 126<br>127 | +        | +        | +        | +        | -        |          | -        | $\dashv$ |          |
|       | 27       | H        | $\dashv$ | +       | -        |          |          | _        | $\vdash$        | $\dashv$ |          |          |              | $\vdash$  |                   | -        | -        | $\dashv$ | -        | +        | -        | $\dashv$ | -        |          | 128        | +        | -        | ┥        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        |
|       | 28       | -        |          | +       | -        |          | -        |          | Н               | $\dashv$ | $\vdash$ |          | 78<br>79     | -         | $\dashv$          | -        | $\dashv$ | -+       |          | +        | +        | 4        | $\vdash$ | $\dashv$ | 129        | +        | +        | ┥        | $\dashv$ | ᅱ        | $\dashv$ | $\dashv$ | -        |          |
|       | 29<br>30 |          | $\dashv$ | +       | -+       | $\dashv$ | -        | _        | Н               | $\dashv$ | $\vdash$ |          | 80           | -         | $\dashv$          | -        | $\dashv$ | -+       |          | +        | +        | -        | $\vdash$ | $\dashv$ | 130        | +        | +        | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _        |
|       |          | -        | -        | +       | -        | $\dashv$ |          |          | Н               | 괵        | ⊢        | $\dashv$ |              | $\vdash$  |                   | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        | -        | $\vdash$ | -        | 131        | -        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _        |
|       | 31<br>32 | $\vdash$ | -        | +       | -        | $\dashv$ | Н        | -        | Н               | $\dashv$ | $\vdash$ | $\dashv$ | 81<br>82     | $\vdash$  |                   |          | -        | $\dashv$ | -+       | -+       | +        | $\dashv$ | $\vdash$ | $\dashv$ | 132        | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ |          |          | $\dashv$ | -        |
|       | 33       | $\vdash$ | -+       | +       | $\dashv$ |          |          | -        | Н               | $\dashv$ | $\vdash$ | $\dashv$ | 83           | $\vdash$  | -                 |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\vdash$ | -        | 133        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | -        |
|       | 34       | H        | -+       | +       | $\dashv$ | $\dashv$ | Н        |          | Н               | $\dashv$ | $\vdash$ | $\dashv$ | 84           | Н         | -                 | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\vdash$ | $\dashv$ | 134        | +        | +        | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | -        |
|       | 35       | H        | $\dashv$ | +       | +        | $\dashv$ |          | $\vdash$ | $\vdash$        | $\dashv$ | <u> </u> | $\dashv$ | 85           | $\vdash$  | $\dashv$          |          | -        | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ | $\vdash$ | ᅱ        | 135        | -+       | +        | ┪        | $\dashv$ | $\dashv$ | -        | -        | -        | _        |
| -     | 36       | -        | $\dashv$ | +       | $\dashv$ | -        | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$ | <b>-</b> | $\dashv$ | 86           | $\vdash$  | $\dashv$          | -        |          |          | $\dashv$ | $\dashv$ | +        | 4        | $\vdash$ | ᅱ        | 136        | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | _        |
|       | 37       | -        |          | ╁       | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | 87           | $\vdash$  |                   | -        |          | $\dashv$ | $\dashv$ | +        | +        | 4        | $\vdash$ | $\dashv$ | 137        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | -        | -+       |          |
|       | 38       | $\vdash$ | +        | ╅       | +        | $\dashv$ | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | 88           |           | $\dashv$          |          | $\dashv$ |          | -        | +        | +        | ┨ .      | $\vdash$ | -        | 138        | $\dashv$ | +        | +        | +        | $\dashv$ | -        | -        | -+       |          |
|       | 39       | -        | $\dashv$ | +       | ┥        | $\dashv$ | $\vdash$ | -        | $\vdash$        | $\dashv$ | $\vdash$ | -        | 89           | $\vdash$  | $\dashv$          | ᆉ        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +-       | +        | -        | $\dashv$ | 139        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ | _        |
|       | 40       | -        |          | +       | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$ | Н               | $\dashv$ |          | ᅱ        | 90           | $\vdash$  | -                 | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | +-       | $\dashv$ | 1        | -        | 140        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ |          |
|       | 41       |          | -+       | +       | +        | $\dashv$ | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | 91           | Н         | -                 |          | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\vdash$ | -        | 141        | $\dashv$ | +        | +        | $\dashv$ | -        | -        | -        | $\dashv$ | _        |
|       | 42       | -        |          | +       | +        | -        | $\vdash$ | $\vdash$ | Н               | $\dashv$ | $\vdash$ | $\dashv$ | 92           | H         | $\dashv$          | -        |          | +        | $\dashv$ | $\dashv$ | +        | 1        | <b>-</b> | -        | 142        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | -        | _        | $\dashv$ | _        |
|       | 43       |          | -        | +       | $\dashv$ | $\dashv$ |          | H        | $\vdash$        | $\dashv$ | $\vdash$ |          | 93           | $\vdash$  | $\vdash$          | $\dashv$ | 一        | +        | $\dashv$ | +        | +        | 1        | $\vdash$ | $\dashv$ | 143        | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | $\dashv$ | ᅥ        | -        | _        |
|       | 44       |          | +        | +       | $\dashv$ | $\dashv$ |          |          | $\vdash$        | $\dashv$ | $\vdash$ | -        | 94           |           | $\dashv$          |          | $\dashv$ | +        | +        | $\dashv$ | +        | -        | $\vdash$ | -        | 144        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ |          | _        | $\dashv$ |          |
|       | 45       |          |          | +       | $\dashv$ | $\dashv$ | $\vdash$ |          | $\vdash \vdash$ | $\dashv$ | $\vdash$ |          | 95           | Н         | $\vdash \dashv$   |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 1        | $\vdash$ |          | 145        | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |
|       | 46       | $\vdash$ | $\dashv$ | +       | +        | $\dashv$ | $\vdash$ | -        | $\vdash$        | $\dashv$ | $\vdash$ | -        | 96           | Н         | $\vdash$          | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | 1        | $\vdash$ |          | 146        | 十        | 十        | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _        |
|       | 47       | $\vdash$ | $\dashv$ | +       | $\dashv$ | $\dashv$ | H        | $\vdash$ | Н               | $\dashv$ | -        | $\dashv$ | 97           | $\vdash$  | $\dashv$          | $\dashv$ | ᆉ        | $\dashv$ | $\dashv$ | $\dashv$ | +        | ┨        |          |          | 147        | $\dashv$ | +        | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | _        |
|       | 48       | $\vdash$ | -+       | +       | $\dashv$ | -        | Н        | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ | -        | 98           | Н         | $\vdash$          | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +        | $\dashv$ | $\vdash$ | _        | 148        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |
|       | 49       |          | $\dashv$ | +       | $\dashv$ | -        |          | -        | Н               | $\dashv$ | $\vdash$ | -        | 99           | $\vdash$  | $\vdash$          | -        | $\dashv$ | -        | +        | $\dashv$ | ╅        | $\dashv$ | $\vdash$ |          | 149        | 十        | +        | 7        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | _        |
|       | 50       | $\vdash$ | +        | +       | ┥        | -        |          | -        | Н               |          | $\vdash$ | -        | 100          | $\vdash$  | $\vdash$          | -        | -        | $\dashv$ | -        | $\dashv$ | +        | $\dashv$ | $\vdash$ | $\neg$   | 150        | $\dashv$ | +        | +        | $\dashv$ | ᆉ        | -        | $\dashv$ | -        | _        |